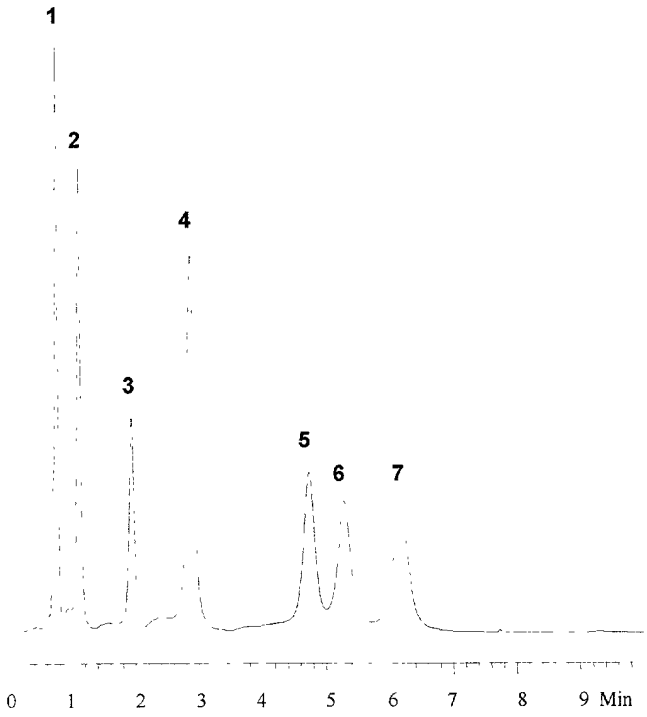
Separation of Barbiturates

Analytes
1 - Acetone
2 - Barbital
3 - Metharbital
4 - Butethal
5 - Hexobarbital
6 - Pentobarbital
7 - Mephobarbital



LC Conditions

Column:	50 x 4.6 mm		
Mobile Phase:	20/80 A/B	Temperature:	30 °C
A:	ACN	Injection volume:	5 µL
B:	20 mM Ammonium phosphate, pH 7.0	Detection:	254 nm
Flow rate:	1.0 mL/min.		

Figure 1. **Separation of barbiturates using a 50x4.6 mm HPLC column packed with SP-2.**

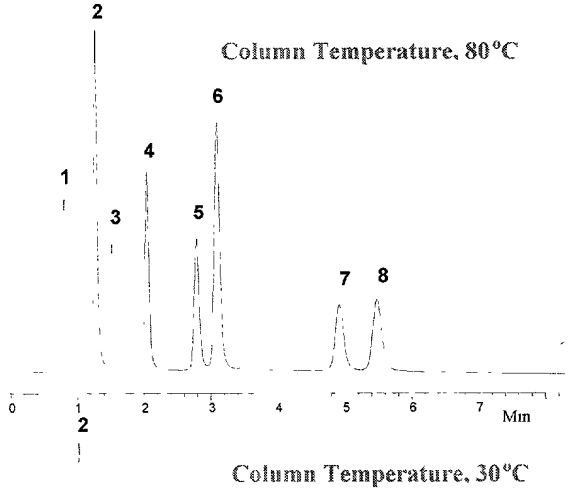
Figure 1

Separation of PTH-Amino Acids

LC Conditions

Column 50 x 4.6 mm

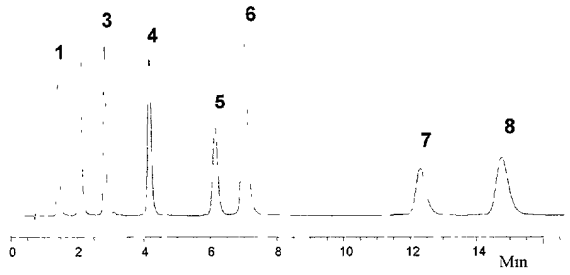
Mobile Phase 20/80 A/B
A ACN
B 0 1% TFA, pH 2 1
Flow rate 1 0 mL/min
Injection volume 1 µL
Detection 254 nm



LC Conditions

Column 50 x 4 6 mm

Mobile Phase 20/80 A/B
A ACN
B 0 1% TFA, pH 2 0
Flow rate 1 0 mL/min
Injection volume 1 µL
Detection 254 nm



Analytes

1 - PTH-Arginine	4 - PTH-Alanine	7 - PTH-Valine
2 - PTH-Serine	5 - PTH-Isoaminobutyric acid	8 - PTH-Norvaline
3 - PTH-Glycine	6 - PTH-Aminobutyric acid	

Figure 2. **Separation of PTH Aminoacids using a 50x4.6 mm HPLC column packed with SP-2.**

Figure 2

Separation of NSAID's

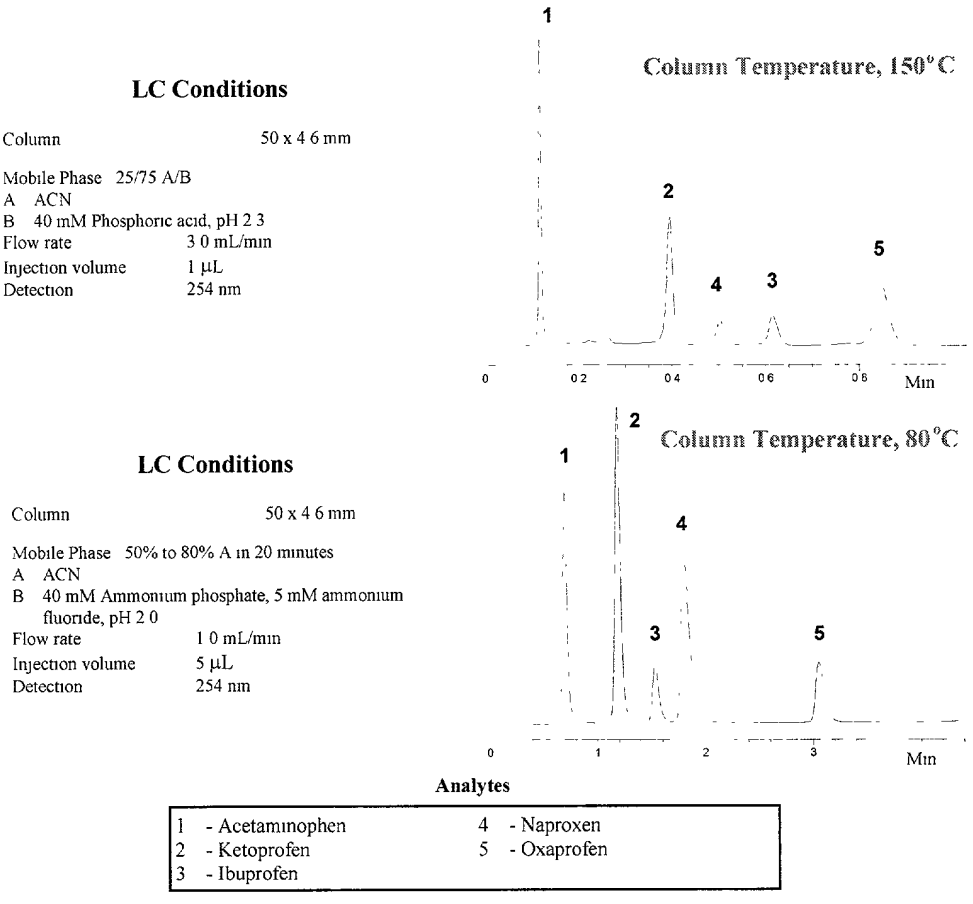


Figure 3. Separation of non steroidal anti-inflammatory drugs using a 50x4.6 mm HPLC column packed with SP-2.

Figure 3

Separation of Ethylbenzene and p-Xylene

LC Conditions

Column	100 x 4 6 mm
Mobile Phase	25/25/50 A/B/C
A ACN	
B THF	
C Water	
Flow rate	1 0 mL/mın
Temperature	30 °C
Injection volume	5 µL
Detection	254 nm

Analytes

1 - Ethylbenzene

2 - p-Xylene

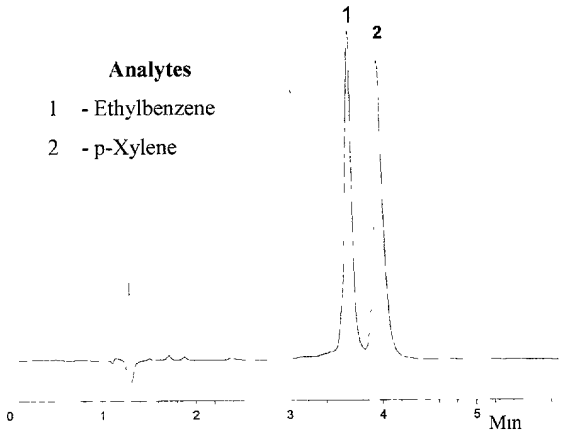
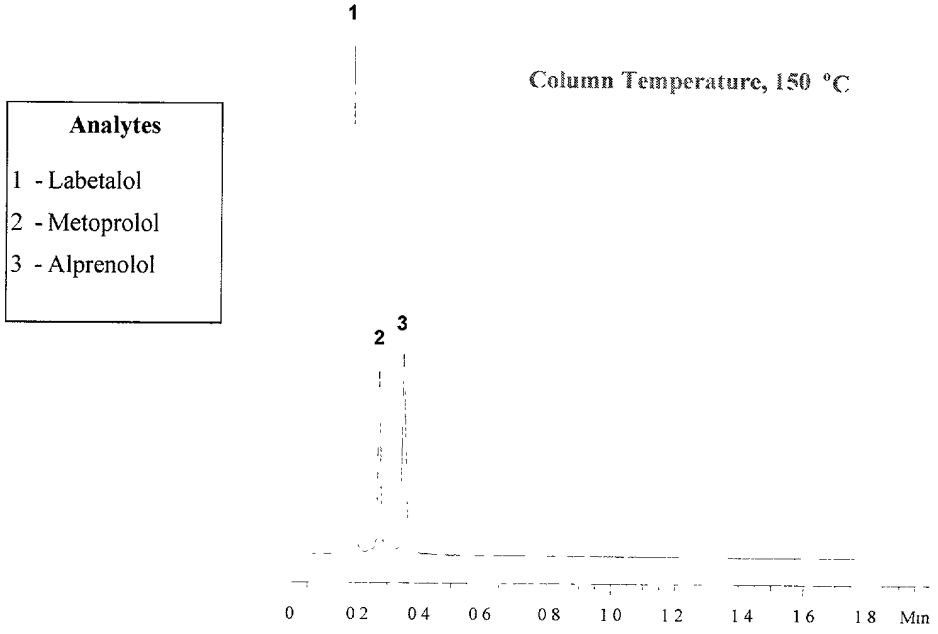


Figure 4. Separation of p-xylene and ethylbenzene using a 100x4.6 mm HPLC column packed with SP-2.

Figure 4

Separation of Beta-Blockers



LC Conditions

Column:	50 x 4.6 mm		
Mobile Phase:	45/55 A/B	Temperature:	150 °C
A:	ACN	Injection volume	1 µL
B:	20 mM Ammonium phosphate, pH 11.0	Detection:	210 nm
Flow rate:	3.0 mL/min.		

Figure 5. Separation of beta-blockers using a 50 x 4.6 mm HPLC column packed with SP-2.

Figure 5